



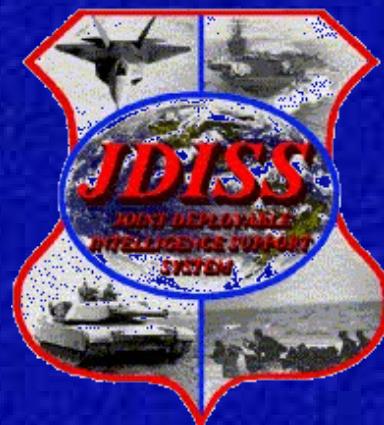
NSAWC Rapid Prototyping Cell

Boyd “Chip” Bunker RPC
Lead

RPC Partners



**PMA-233 Mission Planning
Program Office**



**Joint Deployable
Intelligence Support
System**

SPAWAR



SPAWAR PMW 157 GCCS-M

Briefing Agenda

- ◆ **Background**
- ◆ **RPC Scope**
- ◆ **RPC Concept**
- ◆ **Current Projects**
- ◆ **Completed Projects**

Background

- ◆ Fleet has been developing programs for years
- ◆ Fleet developed programs have succeeded where programs of record have missed the mark
- ◆ Support for some “Fleet” developed tools ends when “Fleet” developer transfers
- ◆ Current acquisition process takes between 2-3 years and is priority dependent
 - From concept of idea to IOC is even much longer (JMPS)
 - RPC will strive for 2-3 month turn-around

RPC Scope

- ◆ **Evaluation of all innovations**
 - Interim capability desired: RPC project
 - Too complex: sent to POR
- ◆ **Determine level of concern**
 - **Administrative** (i.e. Quiver, Debrief+)
 - Provides useful information to assist in the planning and execution of missions
 - **Accuracy** (i.e. WSZUP, PMPT Extension)
 - Information on which mission decisions are made
 - **Safety of Flight** (i.e. none)
 - Provides information to avionics (data loads) or models that calculate aircraft performance

RPC Concept

- ◆ **A repository for fleet innovations**
 - Collection of Fleet ideas and programs
 - Support center for selected innovations
- ◆ **Guide and assist fleet/contractor developments**
- ◆ **Provide a Software prototype**
 - Requirements definition
 - Connects POR to End-User
- ◆ **TAC D&E Support**

Current Projects

- ◆ CAS Toolkit
- ◆ RAMS
- ◆ ATO Parsers

Completed Projects

- ◆ **RAMS**
- ◆ **Debrief +**
 - On all Carriers.
- ◆ **Poseidon**
 - HSL Atlantic
- ◆ **Screen Grabber**
 - On website for download

NSAWC RPC

Any Questions?